

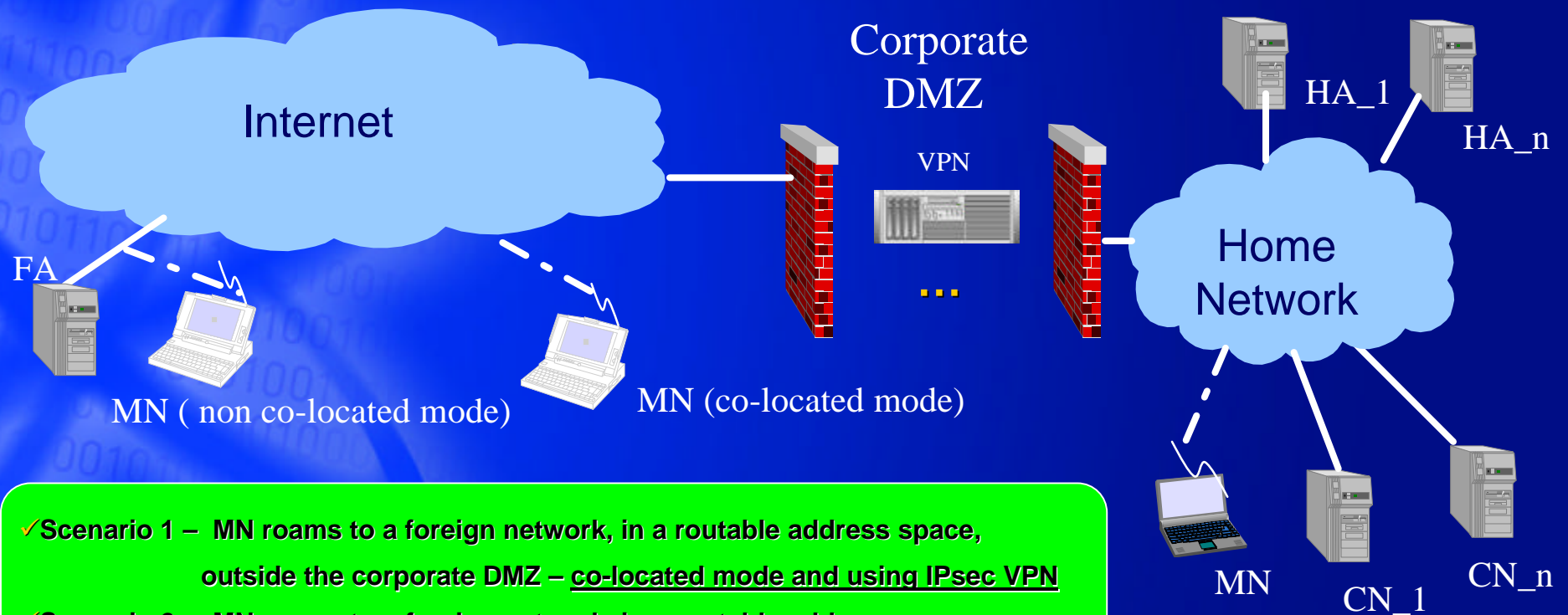
# Mobile IPv4 Traversal Across VPN Gateways

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## Problem Statement

# MIPv4 Traversal Across VPN Gateways



- ✓ Scenario 1 – MN roams to a foreign network, in a routable address space, outside the corporate DMZ – co-located mode and using IPsec VPN
- ✓ Scenario 2 – MN roams to a foreign network, in a routable address space, outside the corporate DMZ , non co-located mode and IPsec VPN

# Problem Statement

- When MN is roaming outside and needs to register to its HA, IPSec tunnel must be initially set up between MN and VPN gateway
  - In non co-located mode (network topologies in which Mobile IP traffic has to go through FA), this implies that the FA can not decrypt the packet
  - In co-located mode (No FA in the path of Mobile IP traffic), IPsec tunnels needs to be re-established as the MN moves from one subnet to another
    - Hand-off performance implications

1) Does the WG believe this is a real deployment problem that needs to be solved?

2) Is this *\*the\** problem that needs to be solved?

# NAT – VPN Mailing List

- Mobile IP / VPN coexistence discussions will be conducted on NAT-VPN mailing list
- Subscribing Instructions are:
- send email to [mobileip-nat-vpn-request@ipunplugged.com](mailto:mobileip-nat-vpn-request@ipunplugged.com) with 'subscribe' in the body or the subject line